

Data Path : Z:\HPCHEM1\BNA\_F\Data\BF052115\  
 Data File : BF079422.D  
 Acq On : 22 May 2015 2:23  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 22 05:02:09 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 22 05:01:56 2015  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 20.000 | 20.000 | 0.0   | 58    | -0.06    |
| 2    | 1,4-Dioxane                 | 40.000 | 49.462 | -23.7 | 73    | -0.08    |
| 3    | Pyridine                    | 40.000 | 41.285 | -3.2  | 64    | -0.09    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 37.318 | 6.7   | 56    | -0.08    |
| 5 S  | 2-Fluorophenol              | 80.000 | 85.183 | -6.5  | 64    | -0.07    |
| 6    | Aniline                     | 40.000 | 40.680 | -1.7  | 61    | -0.06    |
| 7 S  | Phenol-d6                   | 80.000 | 83.497 | -4.4  | 65    | -0.06    |
| 8    | 2-Chlorophenol              | 40.000 | 43.579 | -8.9  | 69    | -0.07    |
| 9    | Benzaldehyde                | 40.000 | 37.580 | 6.1   | 57    | -0.06    |
| 10 C | Phenol                      | 40.000 | 42.665 | -6.7  | 64    | -0.06    |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 42.308 | -5.8  | 67    | -0.06    |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 42.625 | -6.6  | 67    | -0.06    |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 42.371 | -5.9  | 66    | -0.06    |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 42.914 | -7.3  | 66    | -0.06    |
| 15   | Benzyl Alcohol              | 40.000 | 38.074 | 4.8   | 59    | -0.06    |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.048 | -0.1  | 63    | -0.06    |
| 17   | 2-Methylphenol              | 40.000 | 43.262 | -8.2  | 67    | -0.06    |
| 18   | Hexachloroethane            | 40.000 | 42.897 | -7.2  | 64    | -0.06    |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 41.304 | -3.3  | 61    | -0.06    |
| 20   | 3+4-Methylphenols           | 40.000 | 42.673 | -6.7  | 64    | -0.06    |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 59    | -0.06    |
| 22   | Acetophenone                | 40.000 | 42.016 | -5.0  | 67    | -0.06    |
| 23 S | Nitrobenzene-d5             | 80.000 | 84.471 | -5.6  | 65    | -0.06    |
| 24   | Nitrobenzene                | 40.000 | 42.193 | -5.5  | 68    | -0.06    |
| 25   | Isophorone                  | 40.000 | 41.896 | -4.7  | 64    | -0.06    |
| 26 C | 2-Nitrophenol               | 40.000 | 40.776 | -1.9  | 60    | -0.06    |
| 27   | 2,4-Dimethylphenol          | 40.000 | 40.319 | -0.8  | 61    | -0.05    |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 42.731 | -6.8  | 64    | -0.06    |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 43.466 | -8.7  | 67    | -0.06    |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 43.096 | -7.7  | 67    | -0.06    |
| 31   | Naphthalene                 | 40.000 | 43.875 | -9.7  | 69    | -0.06    |
| 32   | Benzoic acid                | 40.000 | 41.196 | -3.0  | 62    | -0.07    |
| 33   | 4-Chloroaniline             | 40.000 | 43.174 | -7.9  | 68    | -0.06    |
| 34 C | Hexachlorobutadiene         | 40.000 | 42.027 | -5.1  | 67    | -0.06    |
| 35   | Caprolactam                 | 40.000 | 42.188 | -5.5  | 64    | -0.07    |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 44.911 | -12.3 | 65    | -0.06    |
| 37   | 2-Methylnaphthalene         | 40.000 | 43.442 | -8.6  | 67    | -0.06    |
| 38 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 58    | -0.07    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 42.470 | -6.2  | 67    | -0.07    |
| 40 P | Hexachlorocyclopentadiene   | 40.000 | 45.064 | -12.7 | 68    | -0.06    |
| 41 S | 2,4,6-Tribromophenol        | 80.000 | 86.304 | -7.9  | 63    | -0.07    |
| 42 C | 2,4,6-Trichlorophenol       | 40.000 | 41.729 | -4.3  | 62    | -0.07    |
| 43   | 2,4,5-Trichlorophenol       | 40.000 | 41.017 | -2.5  | 62    | -0.06    |
| 44 S | 2-Fluorobiphenyl            | 80.000 | 88.190 | -10.2 | 67    | -0.06    |
| 45   | 1,1'-Biphenyl               | 40.000 | 42.889 | -7.2  | 67    | -0.06    |
| 46   | 2-Chloronaphthalene         | 40.000 | 43.451 | -8.6  | 69    | -0.06    |
| 47   | 2-Nitroaniline              | 40.000 | 41.775 | -4.4  | 62    | -0.06    |
| 48   | Acenaphthylene              | 40.000 | 44.459 | -11.1 | 69    | -0.07    |

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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|----------------------------|--------|--------|--------|-------|----------|
| 49   | Dimethylphthalate          | 40.000 | 41.466 | -3.7   | 66    | -0.07    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 44.273 | -10.7  | 67    | -0.06    |
| 51 C | Acenaphthene               | 40.000 | 42.051 | -5.1   | 64    | -0.06    |
| 52   | 3-Nitroaniline             | 40.000 | 43.774 | -9.4   | 67    | -0.07    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 26.846 | 32.9#  | 32    | -0.06    |
| 54   | Dibenzofuran               | 40.000 | 43.023 | -7.6   | 66    | -0.06    |
| 55 P | 4-Nitrophenol              | 40.000 | 29.109 | 27.2#  | 45    | -0.05    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 43.132 | -7.8   | 62    | -0.07    |
| 57   | Fluorene                   | 40.000 | 43.574 | -8.9   | 69    | -0.06    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.559 | 3.6    | 57    | -0.06    |
| 59   | Diethylphthalate           | 40.000 | 43.029 | -7.6   | 67    | -0.06    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 42.655 | -6.6   | 66    | -0.06    |
| 61   | 4-Nitroaniline             | 40.000 | 44.724 | -11.8  | 66    | -0.07    |
| 62   | Azobenzene                 | 40.000 | 42.103 | -5.3   | 63    | -0.06    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 59    | -0.07    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 33.541 | 16.1   | 47    | -0.07    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 42.608 | -6.5   | 65    | -0.06    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 42.042 | -5.1   | 67    | -0.06    |
| 67   | Hexachlorobenzene          | 40.000 | 41.617 | -4.0   | 67    | -0.07    |
| 68   | Atrazine                   | 40.000 | 39.930 | 0.2    | 63    | -0.07    |
| 69 C | Pentachlorophenol          | 40.000 | 30.443 | 23.9#  | 45    | -0.07    |
| 70   | Phenanthrene               | 40.000 | 41.966 | -4.9   | 65    | -0.06    |
| 71   | Anthracene                 | 40.000 | 41.954 | -4.9   | 66    | -0.07    |
| 72   | Carbazole                  | 40.000 | 42.939 | -7.3   | 67    | -0.06    |
| 73   | Di-n-butylphthalate        | 40.000 | 41.732 | -4.3   | 62    | -0.07    |
| 74 C | Fluoranthene               | 40.000 | 42.821 | -7.1   | 66    | -0.07    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 55    | -0.09    |
| 76   | Benzidine                  | 40.000 | 43.215 | -8.0   | 58    | -0.07    |
| 77   | Pyrene                     | 40.000 | 44.978 | -12.4  | 66    | -0.07    |
| 78 S | Terphenyl-d14              | 80.000 | 89.329 | -11.7  | 65    | -0.07    |
| 79   | Butylbenzylphthalate       | 40.000 | 45.192 | -13.0  | 61    | -0.07    |
| 80   | Benzo(a)anthracene         | 40.000 | 43.037 | -7.6   | 62    | -0.09    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 43.292 | -8.2   | 60    | -0.08    |
| 82   | Chrysene                   | 40.000 | 43.405 | -8.5   | 65    | -0.09    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 45.625 | -14.1  | 61    | -0.08    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 45.023 | -12.6  | 65    | -0.13    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 46.120 | -15.3  | 67    | -0.26    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 59    | -0.19    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 52.370 | -30.9# | 79    | -0.16    |
| 88   | Benzo(k)fluoranthene       | 40.000 | 34.329 | 14.2   | 52    | -0.16    |
| 89 C | Benzo(a)pyrene             | 40.000 | 44.425 | -11.1  | 67    | -0.19    |
| 90   | Dibenzo(a,h)anthracene     | 40.000 | 45.470 | -13.7  | 68    | -0.27    |
| 91   | Benzo(g,h,i)perylene       | 40.000 | 45.051 | -12.6  | 69    | -0.27    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1